



Guangyang Secondary School
8 Bishan Street 12 Singapore 579807
Tel: 62589781/5 Fax: 63543108 Email: gyss@moe.edu.sg

Semestral Plan for Sec 3 Express Computing 2023

The document captures the curriculum and assessment plan for Sec 3 Express Computing for the year.

1 Curriculum Plan

Sec 3 (2023)				
Timeline	Unit No.	Unit Name	Topic	Textbook reference
T1W1	School Reopen Welcome back Programme			
T1W2	2.1	Computer Architecture	Basic Hardware Components	
T1W3	3.1	Problem Analysis	Problem Statements	
T1W4-5			Modularity and Generalisation	
T1W6-7	3.2	Algorithm Design	Program Flowchart and Flowchart Symbols	
T1W8-9			Pseudo-code	
T1W9			T1W9: Weighted Assessment 1	
T1W10			Wealth Week	
T2W1-3			Dry runs and Trace Tables	
			Logic Errors	
T2W4	4.1	Program Development	Concepts of a Program	
			Program Constructs	
T2W5			T2W5: Weighted Assessment 2	
T2W5-6			Python Syntax, Constants and Variables	
			Arithmetic and Relational Operators	
T2W7			Numerical Data Types	

T2W8			String Data Type and Console Input/output	
T2W9-10			Selection Statements	
T3W1-3			Loops	
T3W4			T3W4: Weighted Assessment 3	
T3W5			Sec 3 OBS (TBC)	
T3W4-6			Lists	
T3W7-8			User-Defined Functions	
T3W9-10	1.2	Data Representation	Number Systems	
T4W1-2	Revision			
T4W3-4	EOY Examinations			
T4W5-6	Go through papers + Headstart (Python Mini Project)			
T4		Python Mini Project	To be conducted over 6 weeks in Sec 3 Term 4	

Syllabus for GCE O COMPUTING (Subject code: 7155) can be retrieved from SEAB website: https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/olevel/2024syllabus/7155_y24_sy.pdf

2 Assessment Plan

Components of Assessments:

- **Weighted Assessments (WA)**
- **End-of-Year Examination (EYE)**

Semester	Semester 1		Semester 2	
Term	Term 1	Term 2	Term 3	Term 4
Types of Assessment	WA 1	WA 2	WA3	End-of-Year Examination
Weightage	15%	15%	15%	55%
Date	Term 1 Week 9	Term 2 Week 6	Term 3 Week 8	Term 4 Week 3 – 4
Assessment Mode	Written and Practical			

- Various modes of formative assessments (quizzes, exit tickets, project work, etc) are conducted regularly to assess students' learning progress.

Absence from tests

- (a) Medical certificates must be produced if student is absent for the test.
- (b) Parent's letter is strongly discouraged and its validity will be approved based on a case-by-case basis.
- (c) Absence from any test without a valid reason will result in zero mark for the test.
- (d) Do note that student will have to do a make-up test on the day he/she returns to school.

With this information, we hope all students will better prepare themselves for the heavy academic demands this year.

Do feel free to contact the computing teachers should further clarification is needed on this matter.

Teacher
Mrs Lee – Tan Yue Yun
Mr Sunny Chan